# KYO

# Unit

## USER MANUAL

BENTEL SECURITY

MADE IN ITALY

OHSAS 18001 9192.BSEC
OHSAS 18001 IT - 60983
ISO 14001 9191.BNT2
ISO 14001 IT-52588
ISO 9001 9105.BNT1
ISO 9001 IT-52587

This control unit supports the following keypads and key readers:
PREMIUM, CLASSIKA, MIA series, ALISON series, OMNIA/TAST-R, NC2/TAST, ICON/KP, ECLIPSE, ECLIPSE2
To keep things simple, this instruction manual refers only
to the PREMIUM and CLASSIKA keypads and ECLIPSE2 key readers.
If you require further information relating to the other types of keypad/Key Reader supported by this control unit, the previous version of this instruction manual may be downloaded from the web address www.bentelsecurity.com

**KYO 4 M – KYO 8 M – KYO 8W M – KYO 32 M – KYO 4 P – KYO 8 P – KYO 8W P – KYO 32 P**
**KYO 8GWP-SW1 – KYO 8GWP-SW2 – KYO 8GWL-SW1 – KYO 8GWL-SW2**
**KYO 8G P-SW1 – KYO 8G P-SW2 – KYO 32G P-SW1 – KYO 32G P-SW2**
**KYO 8G L-SW1 – KYO 8G L-SW2 – KYO 32G L-SW1 – KYO 32G L-SW2**
**KYO16D**
**For all the Control Panels the performance level is II (unless otherwise specified).**
**The KYO16D performance level is I**

Hereby, Bentel Security, declares the above mentioned Control Panels to be in compliance with the essential requirements and other relevant provisions of 1999/5/EC Directive.

**The complete R&TTE Declaration of Conformity for each Panel can be found at www.bentelsecurity.com/dc.html.**

*These Control Panels comply with* **CEI 79-2 2° ed. 1993**.

*Installation of these systems must be carried out strictly in accordance with the instructions described in this manual, and in compliance with the local laws and bylaws in force.*
*The above mentioned Control panels have been designed and made to the highest standards of quality and performance.*
*The manufacturer recommends that the installed system should be completely tested at least once a month.*
*BENTEL SECURITY Srl shall not assume the responsibility for damage arising from improper application or use.*
*The above mentioned Control panels have no user-friendly components, therefore,*

*BENTEL SECURITY srl reserves the right to modify the technical specifications of this product without prior notice.*

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# INTRODUCTION

## The Control Panel

*This Manual is designed for anyone using a Control panel from the KYO range. Most of the features described in this Manual are included on all KYO Control panels. However, some features are included on certain models only, in such cases, the name of the Control panel will be specified.*

**About Your Security System**

Your Installer has set up your system with your premises in mind. You may not need all the features descibed in this Manual, therefore, your Installer will have programmed only the features you need.

**Controlling Your System**

The functions on KYO4 and KYO8 (4 Partition Control panels) and KYO32 (8 Partition Control panel) can be controlled from Keypads and Digital Readers (see Figures 1, 2, 3 and 4).

**The Digital Communicator**

This Manual provides step-by-step instructions for each function. This Control panel has an intergrated Digital Communicator, that allows your system to send Alarm, Trouble and Emergency messages to the Central Station, This feature also allows your Installer to carry out remote maintenance (Teleservice).

**The NC2/VOX Voice Board**

If your system is equipped with an NC2/VOX Voice board (accessory item), your Digital communicator will be able to send voice messages.

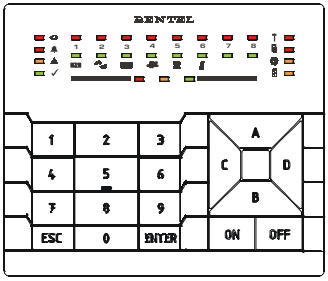
NOTE - The KYO16D Control Panel DOES NOT ACCEPT the Voice board.

**The VRX32-433 and Vector/RX8 Wireless Receiver**

**Series 32, 8W, 8GW** and **16D** Control panels accept VRX32-433 or Vector/RX8 Receivers. Installation of a VRX32-433 or Vector/RX8 Receiver will allow the control panel to manage Wireless security devices (Detectors, Magnetic Contacts, etc.) and Wireless Keys.

Read this guide thoroughly to learn how to use your system. See the Glossary to learn about the words used in the instructions.

## Premium BKP-LED




## Premium BKP-LCD

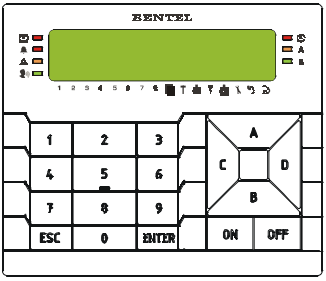
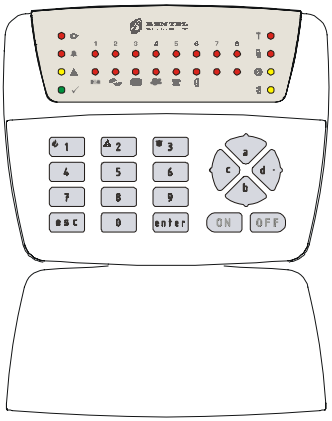



*Figure 1 - PREMIUM Keypads*

## Classika BKB-LED




## Classika BKB-LCD

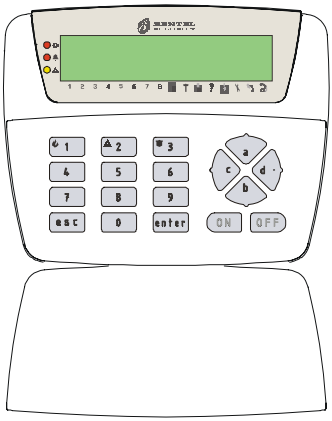
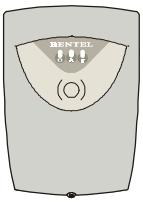



*Figure 2 - CLASSIKA Keypads*

## PROXI



## ECLIPSE2

*Figure 3 - Readers*

## PROXY-CARD

## SAT

## MINIPROXY

*Figure 4 - Digital Key*

## Glossary

**Alarm Zone** A limited area of the premises monitored by detectors (e.g. Motion detectors, Door/Window contacts, etc.).

**BPI Device** A peripheral device connected to the Control panel by a 4 pin conductor.

**Beep** An audible signal emitted by the Keypad each time a key is pressed, or when requested operations have been completed.

**Buzz** An audible signal emitted by the Keypad to indicate that a requested operation is impossible, or has been denied (for example, automatic exit from the User Menu at a LED keypad).

**Buzzer** An audible signalling device inside Keypads and PROXI Readers.

**Central Station** A private Security Company your Control panel will send Alarm, Trouble and Emergency messages to (that is, if remote monitoring is enabled).

**Detector** A device which signals alarm conditions (e.g. Glassbreak, Forced entry, etc.).

**Dialler** An optional device which sends voice message to programmed phone numbers.

**Digital Communicator** An integrated on-line device that sends digital signals.

**Digital Key** An electronic control key (see Figure 4) with a random code (selected from over 4 billion combinations).

**Display** An alphanumeric screen on the LCD Keypads.

**LCD Keypad** A command keypad with a display. Your Control panel can be programmed and controlled via LCD Keypads.

**LED** A small coloured light on the Keypads and Readers.

**LED Keypad** A command keypad with LEDs. Your Control panel can be controlled via LED Keypads.

**Logger** A list of the last 256 events on Series 32 Models.

A list of the last 128 events on Series 4-8 Models.

**Partition** A section of the premises. Each Partition can have its own Times, Code PINs and Digital Keys/Cards, etc.

**Reader** A peripheral control device (see Figure 3) which accepts commands from Digital Keys/Cards (e.g. PROXI Proximity Reader, ECLIPSE2 Readers).

**Real-time** Instant Audible/Visual signals or communications.

**Telemonitoring** A remote-monitoring service provided by a Central Station. This feature will allow the Control panel to transmit real-time events (e.g. Forced entry, Tamper, Alarms, etc.) to the Central station.

**Teleservice** A remote-maintenance service provided by your Installer. The Teleservice feature allows the Installer to operate on your system over the phone.

# OPERATING FROM A KEYPAD

## Introduction

### Keypads

This Control panel accepts **LCD** Keypads and/or **LED** Keypads (see Figure 1 and 2).

**Table 3 - Real-time signals on LED Keypads**

| LEDs | DESCRIPTION |
|---|---|
| *Red* | ***OFF*** *- All the Keypad Partitions are Disabled*<br>***ON*** *- At least one of the Keypad Partitions is Armed* |
| *Red* | ***OFF*** *- No Alarms in Memory*<br>***Slow Blinking*** *- At least one Alarm in Memory*<br>***Fast Blinking*** *- Alarm in course* |
| *Yellow* | ***OFF*** *- No Trouble*<br>***ON*** *- At least one Trouble condition is present or at least one Wireless Zone Detector is Missing or has a Low battery: check system via 'View Trouble'*<br>***Slow Blinking*** *- 'View Trouble' mode active* |
| *Green* | ***OFF*** *- At least one Unbypassed Alarm Line is in Alarm or Tamper status*<br>***ON*** *- Ready to Arm: All the Unbypassed Alarm Lines are in Standby status*<br>***Fast Blinking*** *- This will occur when:*<br>*a) The Control panel is in 'Test' status*<br>*b) A Digital Key in inserted into an ECLIPSE Reader*<br>*c) A Digital Key/Card is present at a PROXI Reader* |
| *Red* | ***OFF*** *- NoTamper*<br>***Slow Blinking*** *- At least one Tamper condition in Memory*<br>***Fast Blinking*** *- Tamper in course* |
| *Red* | ***OFF*** *- Control panel Closed*<br>***ON*** *- Control panel Open* |
| *Amber* | ***OFF*** *- All the zones of the Keypad Partitions are Unbypassed, and not in 'Test' status*<br>***ON***- *At least one of the zones of the Keypad Partitions is Bypassed*<br>***Slow Blinking -*** *At least one zone is in 'Test' status*<br>***Fast Blinking -*** *At least one zone is Unbypassed, and one in 'Test' status* |
| *Amber* | ***OFF*** *- The Teleservice option is Disabled*<br>***ON*** *- The Teleservice option is Enabled*<br>***Slow Blinking*** *- Programming in course*<br>***Fast Blinking*** *- User menu accessed* |
| *Red* 1 ... 16 | ***OFF*** *- Zone in 'Normal' status*<br>***Slow Blinking -*** *The Zone has logged at least one violation (Alarm)*<br>***Fast Blinking -*** *The Zone has been violated (refer to the 'Zones Status' section)* |

# LED Keypads

Table 3 shows the meaning of the real-time signals on the Keypad LEDs.

## 'View Trouble' mode

Table 4 shows how the Keypad lights will signal the various Troubles.

Press **ENTER** to access the 'View Trouble' mode from 'Normal' status (Control panel Armed or Disarmed)

Press **ESC** to exit the 'View Trouble' mode

The 'View Trouble' mode will end automatically after 15 seconds of inactivity.

Exit will be confirmed by an audible signal (Buzz).

**Table 4 - 'View Trouble' on LED Keypads**

| LEDs | Meaning |
|---|---|
| *Amber* ⚠ | ***Slow Blinking** - 'View Trouble' mode active. Only the LED on the keypad in use will blink* |
| *Red* ⎓ | ***ON** - indicates Blown fuse (the fuse protecting the power supply to the detectors)* |
| *Red* ∿ | ***ON** - indicates 220 V∿ Mains failure* |
| *Red* | ***ON** - indicates Low Battery, Battery Trouble or Blown Fuse*<br>*This type of Trouble will be signalled with a 4 minute delay* |
| *Red* | ***ON** - indicates that all Codes are set at Factory Default*<br>***Slow Blinking -** Indicates Wireless Receiver Trouble (if installed).*<br>***Fast Blinking -** Indicates that both the above conditions are present* |
| *Red* ☎ | ***ON** - Ongoing call*<br>***Slow blinking** - Line down*<br>***Fast blinking** - Ongoing call after 'Line-down' event* |
| *Red* | ***ON** - BPI Trouble (e.g. one of the control or signalling devices is out-of-service)* |
| *Red* 15 | *ON: indicates that at least one Wireless Zone Detector is Missing.*<br>*To view the Zone concerned, press 2. The RED LED of the Zone concerned will go ON*<br>*Press Esc to go back to Standby.* |
| *Red* 16 | *ON: indicates that at least one Wireless Zone Detector has a Low Battery.*<br>*To view the Zone concerned, press 3. The RED LED of the Zone concerned will go ON*<br>*Press Esc to go back to Standby.* |

## 'View Partition Status' mode

Table 5 shows how the Keypad lights will signal the status of the Partition.

Press **ON** to access the 'View Partition Status' mode from 'Normal' status (Control panel is Armed or Disarmed)

Press **ESC** to exit the 'View Partition Status' mode.

The 'View Partition Status' will exit automatically after 15 seconds of inactivity.

Exit will be confirmed by an audible signal (Buzz).

**Table 5 - 'View Partition Status' on LED Keypads**

| LEDs | MEANING |
|---|---|
| *Red*  | ***Fast blinking -*** *Indicates 'View partition Status' active"* |
| *Red*<br>*LEDs 1 to 8*<br> | ***OFF*** *- Partition Disarmed*<br>***ON*** *- Partition Armed* |

# LCD Keypads

The keypad display (see Figure 6) will provide information on the system status.

During 'Normal' status, the top line of the display will show the Date and Time, and the bottom line will show the Armed/Disarmed status of the partitions (refer to Table 6), and Trouble events and information regarding the Control panel (refer to Table 7).

*To view the partition status, press* **ON***: the status of each partition (and relative descriptions) will be shown at 2 second intervals.*

If the Control panel has Zone Alarm or Tamper in memory (LED 🔔 blinking), the top line will show the zone description (Label).

If Tamper or Alarm conditions are present on more than one zone, the relative zone descriptions will be shown every 2 seconds.

Table 7 shows how the LCD keypad lights and display signal the system status in real-time.

*Figure 6 - The display of an LCD keypad during standby status*

| Table 6 - Arming/Disarming Partitions | | |
|---|---|---|
| **Letter** | **Mode** | **Result** |
| A | **Away** | *The corresponding partition will be fully armed, and the system will monitor all zones* |
| S | **Stay** | *The corresponding partition will be partially armed, and the system will bypass 'Stay' zones* |
| I | **Stay - 0 Delay** | *The corresponding partition will be partially armed, and the system will bypass 'Stay' zones and ignore the partition Entry Time* |
| D | **Disarm** | *The corresponding partition will turn OFF* |
| N | **No Change** | *The corresponding partition will maintain its current status* |
| - | **Disabled** | *The corresponding partition is not a Keypad partition, therefore, cannot be controlled from the keypad in question* |

***N.B.*** *If the partition has already detected Alarm conditions, the letters will blink.*

## Viewing Troubles

If the amber ⚠ LED turns ON, it means that at least one trouble condition has been detected. To view current (or stored) 'Trouble' details, access the Main User Menu and select the **View Logger** option (refer to the 'View Logger' paragraph in this section).

## Viewing Trouble Details

To view the details of current 'Troubles', proceed as follows:

1. From standby status (regardless of whether the system is Armed or Disarmed), press **ENTER**.
2. The Trouble events will be shown on the second line of the display. Use **C** and **D** to scroll the Troubles list. Refer to the Table 8 for the Troubles that the Control panel is able to detect.

```
Syst. Troubles ↔
Mains Fault
```

*If the Control panel is functioning properly, the display will show the "No Troubles" message.*

```
Syst. Troubles ↔
No Troubles
```

3. Press **ESC** to exit.

*Automatic exit will occur after 30 seconds of keypad inactivity.*

**Table 7 - Signals on LCD Keypads**

| Icon | LED | |
|---|---|---|
| | *Red* | ***OFF*** *- All partitions disarmed*<br>***ON*** *- At least one keypad partition armed* |
| | *Red* | ***OFF****- No Alarms in memory*<br>***Slow Blinking*** *- At least one Alarm In memory*<br>***Fast Blinking*** *- Alarm in course* |
| | *Amber* | ***OFF*** *- No Trouble, Bypassed or Test zones*<br>***ON*** *- At least one Trouble condition present or one Wireless Zone is Missing or has a Low Battery .*<br>***Slow Blinking*** *- At least one zone Bypassed, or in Test status*<br>***Fast Blinking*** *- At least one zone in Trouble, and one Bypassed or Test status* |
| **Icon** | **Signalled by** | **MEANING** |
| | | ***ON*** *- Control panel open*<br>***Blinking*** *- At least one Open Panel event in memory* |
| | | ***ON*** *- Tamper in course*<br>***Blinking*** *- At least one Tamper event in memory* |
| | | ***ON*** *- Tamper in course on at least one of the peripheral devices (Keypad, Reader, Expander or Receiver)*<br>***Blinking*** *- At least one Tamper event in memory* |
| | | ***ON*** *- A False Key/Card is present at a Reader*<br>***Blinking*** *- At least one False Key/Card event in memory* |
| | | ***ON*** *- A peripheral device (Keypad, Reader, Wireless or Expander) has been disconnected*<br>***Blinking*** *- At least one Peripheral Trouble event in memory* |
| | | ***OFF*** *- Teleservice disabled*<br>***ON*** *-Teleservice enabled* |
| | | ***OFF*** *- Answerphone function disabled*<br>***ON****- Answerphone function disabled* |
| | | ***OFF*** *- Line Free*<br>***ON*** *- Line Engaged*<br>***Blinking*** *- Line Down* |

# Adjusting Brightness, Contrast and Volume

To adjust the brightness, the contrast and the volume of the internal buzzer, follow the procedure described below:

**BRIGHTNESS**

It is possible to adjust the brightness of the keys and, on the LCD version only, also the brightness of the backlighting of the display. It is possible to adjust the inactive and the active brightness (the inactive brightness is the brightness to which the keypad reverts after 10 seconds of inactivity.

To adjust the active brightness, follow the procedure described below:

1a) To increase the brightness, press and keep pressed key **A** until the desired level is obtained:

1b) To lower the brightness, press and keep pressed key **B** until the desired level is obtained:

2) Press the **OFF** key to adjust the inactive brightness:

3a) To increase the brightness, press and hold down key **A** until the desired brightness is reached:

3b) To reduce the brightness, press and hold down key **B** until the desired brightness is reached:

4) Press the **ON** key to adjust the active brightness and return to step 1a), or press the **ENTER** key to confirm the chosen levels, or

wait a few seconds for the keypad to return to the inactive state.

**CONTRAST (only for the LCD version)**

To adjust the contrast of the LCD display, follow the procedure described below:

1a) To increase the contrast, press and keep pressed key **D** until the desired level is obtained.

1b) To lower the contrast, press and keep pressed key **C** until the desired level is obtained.

2) To confirm the chosen level, press the **ENTER** key (or wait a few seconds for the keypad to return to the inactive state).

**VOLUME**

To adjust the volume of the internal buzzer, follow the procedure described below:

1) Press and keep pressed the **ESC** key; the internal buzzer will start sounding a series of beeps in such manner that the operator could hear the sound level in real time.

---

***NOTE - The buzzer will still emit a series of sound alerts at extremely low volume, even if it has been set to zero.***

---

2a) To increase the volume, press key **A** for a number of times and/or keep it pressed until the desired level is obtained:

2b) To lower the volume, press più volte and/or keep pressed key **B** until the desired level is obtained.

3) To confirm the chosen level, press the **ENTER** key (or wait a few seconds for the keypad to return to the inactive state).

| Table 8 - Viewing Trouble Details | |
|---|---|
| ***Trouble*** | ***Description*** |
| **Mains Fault** | *The Mains power supply to the Control panel has failed. If it is not a general Black-Out — Contact your Installer* |
| **BPI Fault** | *A BPI device has failed to respond (Missing) — Contact your Installer* |
| **Fuse Fault** | *Blown fuse — Contact your Installer* |
| **Battery Fault** | *The Control panel battery is not recharging properly or is faulty — Contact your Installer* |
| **Battery Fault Z..** | *The Battery of a Wireless Zone Device has not been charged properly or it is down completely or faulty — Contact your Installer. The Zone concerned will be indicated after the "**Z**" (Example "Battery Fault Z03").* |
| **Tel. Line Fault** | *Telephone Line trouble — Contact your Installer* |
| **Default Codes** | *This Trouble condition will be present until a User Code is programmed* |
| **WLS Fault** | *For Wireless systems, the Wireless Receiver is not functioning properly — Contact your Installer* |
| **Wireless Jam** | *Wireless interference has been detected* |
| **Missing Device Z...** | *One or more of the Wireless Zone Devices is not responding — Contact your Installer. The Zone concerned will be indicated after the "**Z**" (Example "Missing Z03")* |

## Buzzer

The Keypad Buzzer will emit an audible signal each time a valid key is pressed and, if enabled by your Installer, will also signal:

- The Exit Time (signalled by slow beeps)
- The Entry Time (signalled by fast beeps)
- Errors or Invalid requests (signalled by a Buzz)
- Request Accepted or Done (long beep)
- Violation of a 'Chime' zone
- Key/Card programming done
- Auto-arm Timeout

## Superkeys

If your Installer has set up the 3 Superkeys ([1], [2] and [3]), you will be able to operate your system from the keypad, without using Codes. The 'Superkeys' can be programmed to activate:

- the **Digital Communicator** – to transmit event codes to the Central Station

  *Up to 8 Telephone numbers can be programmed for these commands.*
- the **Dialler** – to send a voice message (requires **NC2/VOX** Voice board). Not management for KYO16D Control Panel.

  *Up to 8 Telephone numbers can be programmed for these commands.*
- One or more Outputs

*A long beep will confirm that the selected facility has been activated.*

# Basic Operations

This section describes how to operate your system from a keypad.

*The operations at keypads (refer to Table 9) will only affect the partitions controlled by the code and keypad concerned.*

**Changing User Codes**

**WARNING - The Factory Default User Codes (0001-0024) must be changed for security reasons (refer to 'Programming Codes' in this section).**

## Global Arming (Code + ON)

This command will **Arm all the partitions** controlled by the code and keypad.

*If you are working from a LED keypad, ensure that the Green LED ✓ is ON.*

**Table 9 - Operations at Keypads**

| CODE + KEY Sequence | | OPERATION ALLOWED |
|---|---|---|
| **Accepted Codes** | **Key** | |
| *<Main User Code> <User Code> <Panic Code>* | **ON** | ***ARM GLOBAL MODE** Request* |
| *<Patrol Code>* | **ON** | ***RE-ARM** Request (Only the Patrol Code that Disarmed the Partitions will be allowed to Re-Arm them)* |
| *<Main User Code> <User Code> <Panic Code> <Patrol Code>* | **OFF** | ***DISARM** Request* |
| *<Main User Code> <User Code> <Panic Code>* | **A** | ***A MODE** (System Partitioned)* |
| *<Main User Code> <User Code> <Panic Code>* | **B** | ***B MODE** (System Partitioned)* |
| *<User Code> <Panic Code>* | **ENTER** | *Access **User Menu** (Only for 'Alarm Reset','Overtime' and 'Enable/Disable Buzzer' Requests)* |
| *<Main User Code>* | **ENTER** | *Accesses **Main User Menu** (All Options)* |
| *<Main User Code>* | **ESC** | *Accesses **Bypass Zones Menu *** (LED Keypads only)* |
| **ON** | | *Allows Partition Status viewing (for LCD Keypads only)* |
| **ON** *press and hold for 3 seconds* | | *Fast Arming* |
| *<Partition Number>* | **ON** | *Fast Arming of a Partition* |

***** *For LCD Keypads — this option is on the Main User Menu ⇨ Zones Status*

**Quick Arm** To Arm the system in 'Global' mode — enter a Main User, User or Panic Code, then press **ON**.

Keyboard Partitions If your Installer has enabled the **Quick Arm** feature, you will be able to Arm the system from the keypad without using an Access Code, as follows:

**1a**. Press and hold the **ON** key for 3 seconds.
**2a**. Release the key after the audible signal (long beep), the system will Arm the Keypad Partitions (as programmed by the Installer). This operation will take about 2 seconds (the Keypad will emit an audible signal when the system Arms).

Specific Partition To Arm a specific partition only:

**1b**. Enter the partition ID Number, then press **ON**, the keypad will emit an audible signal when the partition Arms.

## Global Disarming (Code + OFF)

This command will **Disarm all the partitions** controlled by the Code and keypad concerned.

Disarm under Duress To Disarm the system in 'Global' mode — enter a Main User, User, Panic or Duress Code, then press **OFF**.

The *Duress* code will disarm the system and trigger the Digital communicator. If your installer has set up your system to manage the Digital communicator facility, the Digital communicator will send a voice message to the Central Station.

*If the system is disarmed by a 'Duress' code, the keypads will remain mute.*

## A or B Mode Arming (Code + A or Code + B)

This command will **Arm/Disarm the partitions** controlled by the Code concerned. During the programming phase, the User Codes will be configured for Stay/Away arming (A or B Mode). The programmed configuration determines the partitions which will Arm/Disarm when you make an A or B Mode Arming request.

To Arm the system in A or B Mode — enter a Main User, User or Panic Code, then press **A** (**A Mode**) or **B** (**B Mode**).

**Quick Arm: A** or **B Mode** If your Installer has enabled the **Quick Arm** feature, you will be able to Arm the system in **A** or **B Mode** from the keypad without using an Access Code, as follows:

1. Press and hold the **ON** key for 3 seconds.
2. Release the key after the audible signal (long beep), press **A** or **B** (A or B Mode), as required.

*If you do not press* **A** *or* **B** *within 2 seconds, the system will Arm the keypad partitions (as programmed by the Installer).*

***Example***: A Mode Arming configuration = Arm partitions 1 and 4; Disarm partitions 2 and 3.

## Notes on Arming from Keypads

Before your system Arms, your Control panel will check for the following conditions:

- Violated zones (zones in Alarm status)
- Bypassed zones (zones which have been turned OFF)

LED Keypads If you are operating from an LED keypad, these conditions will be signalled in real-time on the ⊗ and ✓ icons (refer to Table 3).

LCD Keypads If you are operating from an LCD keypad, these conditions will be signalled in real-time on the display.

If Alarm conditions are signalled, DO NOT turn ON your system, as this will trigger an Alarm.

*The example (on the right) shows zone 2 as Bypassed (OFF) and zone 4 in Alarm status (Violated).*

If Alarms are signalled — press **ESC** to cancel the Arming request.

- Close all doors and windows, and stop all motion in the areas (partitions) with motion detectors.

If zones have been Bypassed unintentionally — press **ESC** to cancel the Arming request.

- Access the *User Menu*, select the 'Zone status' option and Unbypass (turn ON) the unintentionally Bypassed zones.

If your installer has enabled your system, you can view any Violated zones (zones in Alarm status) on the display even when the system is Disarmed.

## Silencing Alarm Devices from Keypads

The quickest way to silence Alarm Signalling Devices (Sirens and Flashers) is to **Disarm** the system.

---

Clear Call Queue ***IMPORTANT - This operation will not interrupt the ongoing Alarm call, or end the Alarm call cycle. Therefore, it will be necessary access the User Menu (access allowed to Main User PINs only), and stop the Alarm calls, via the 'Clear Call Queue' option.***

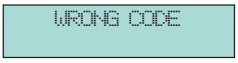
---

Silence Tamper Alarms Tamper events, which occur when the system is disarmed, can be silenced via the 'Reset Alarm' option from the User Menu (access allowed to Main and User PINs).

For further information, refer to 'Silence Alarm Signalling Devices from Reader' paragraph in the 'Using Digital Keys/Cards' section.

## Wrong Code

If a wrong code is entered, the keypad will emit an error signal (buzz), and the display will show an error message. If your Installer has enabled the 'lockout' feature, the keypad will lock for 2 minutes after 5 wrong entries.

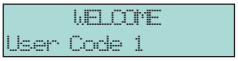


# User Menu and Main User Menu

***The display strings in the examples in this section refer to Control panels with 8 partitions (KYO32 and KYO32G). The display strings in other models from the KYO range may be slightly different.***

Accessing theMenu

Enter a User or Main User Code (**0001** at default) then press **ENTER** to access the Menu (refer to Table 9). The menu will allow you to operate the Control panel in accordance with the your access level (Main User Code or User Code). If you are using an LCD Keypad, the display will show a short 'WELCOME' message.




***You can access the Menu even if the Control panel is Armed.***

The ***Main User Menu*** provides the following options:

- Reset Alarm or Clear Alarm Memory
- Arm/Disarm
- Overtime Request
- Teleservice Request
- Enable/Disable Auto-Arm
- Enable/Disable Teleservice
- Enable/Disable Keypad Buzzer
- Enable/Disable Answer Function (Not available for KYO16D series)
- Output Control
- Program Telephone Numbers (Not available for KYO16D series)
- Programming Codes
- Program Date/Time
- Test Siren
- Zones Status
- View Logger
- Clear Call Queue

Selecting the options

When operating from an LCD keypad, use keys **C** and **D** to scroll the Menu, and **ENTER** to select the required option. When operating from an LED keypad, you will need to enter your access code and press the command keys.

Exit the Menu

Press **ESC** once or twice as required (depending on the Menu) to Exit the Menu (in some cases 'Exit' is automatic).

Limitations

*'User' and 'Panic' codes can access the User Menu (refer to Table 9) to make '**Clear Alarm Memory**', '**Overtime**' and '**Enable/Disable Buzzer**' requests. 'Patrol' and 'DTMF' codes cannot access the User Menu.*

The following paragraphs describe the *Main User Menu* options.

## Reset Alarm or Clear Alarm Memory

The '**Reset Alarm**' and '**Clear Alarm Mem.**' options depend on the system status.

If the system is in **Alarm status** the Menu will provide the '**Reset Alarm**' option. This option will allow you to stop the audible and visual signalling devices (Sirens, Flashers, etc.).

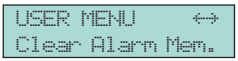
If the system is in **Normal status** the Menu will provide the '**Clear Alarm Mem.**' option. This option will allow you to clear the Alarm messages from the Keypad display, or turn OFF the keypad lights.

Table 10 shows when and how you will be able perform Reset on Control panels.

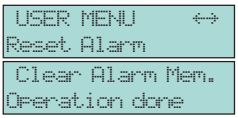
To Reset an Alarm, or Clear the Alarm Memory from an LCD keypad, proceed as follows:

LCD Keypads

1. From the *User Menu*, using **C** or **D**, scroll the Menu for the **Reset Alarm** or **Clear Alarm Mem.** option, as required.




2. Press **ENTER** to **Reset Alarm** / **Clear Alarm Mem.**, as required. Acceptance of the command will be confirmed by a beep and a short message.




LED Keypads

To Reset an Alarm or Clear the Alarm Memory from an LED keypad, proceed as follows:

1. Access the *User Menu*.

**Code PIN + ENTER**

The **8** indicator will blink.

2. Press **0** to **Reset Alarm / Clear Alarm Mem.**, as required, or **ESC** to cancel the request and, in both cases, exit the Menu.

***NOTE**: If your installer has enabled the 'Auto-Reset Memory' option, your system will reset automatically at each Arming operation.*

**Retrieve Alarms in Memory**

If you are using an LED Keypad, you will be able to retrieve any Alarms in the Alarm Memory which occurred previous to the last Reset operation. To Check the Alarm Memory, proceed as follows:

**Code PIN + ENTER + 8**

***If you are using a KYO32 Control panel, this option is available with Alison/ 32LP Keypads only.***

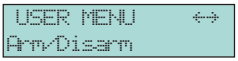
| Table 10 - Reset Alarm and Clear Alarm Memory options | | | | | |
|---|---|---|---|---|---|
| **Reset Zone Alarm** | **Reset Zone Alarm Memory** | **Reset Zone Tamper Alarm** | **Reset Zone Tamper Alarm Memory** | **Reset System Tamper Alarm** | **Reset System Tamper Alarm Memory** |
| **Control panel (System) Armed** | | | | | |
| **YES *** *or* **Disarm System** | **YES** | **YES** *or* **Disarm System** | **YES** | **YES *** | **YES** |
| **Control panel (System) Disarmed** | | | | | |
| **-** | **YES** | **YES** | **YES** | **YES *** | **YES** |
| ** - The Alarm Memories will reset automatically.* | | | | | |

## Arming and Disarming your System

The **Arm/Disarm** option will allow you to turn the partitions ON and OFF.

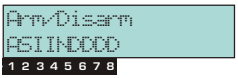
LCD Keypads To Arm/Disarm the partitions from an LCD keypad, proceed as follows:

**1**. From the *Main User Menu*, using **C** or **D**, scroll the menu for the **Arm/Disarm** option, then press **ENTER**.




**2**. Using the partition keys (**1** through **8**) set the Arming mode of each partition (refer to Table 6).

*The setting in the example (to the right) will arm the system partitions as follows:*




- *Partition 1 -Away mode*
- *Partition 2 - Stay mode*
- *Partition 3 and 4 - Stay 0 Delay (**I** = Instant — NO Delay )*
- *Partitions 5, 6, 7 and 8 - Disarm (**D**)*

Press **ENTER** to confirm the setting.

LED Keypads This option is not available on LED keypads.

## Overtime Request

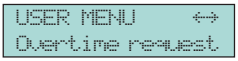
If the **Auto-Arm** option is enabled, and the system is programmed to Arm automatically at a set Time, the **Overtime request** option will allow you to postpone the Auto-arming Time.

The Overtime request must be made in steps of 30 minutes.

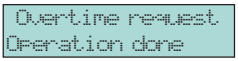
*Overtime requests cannot go past midnight (00:00 on the Timer). If you attempt to postpone Auto-arming until after midnight,* ***the Control panel will carry out the request until 23:59*** *and then will Arm automatically at midnight.*

LCD Keypads To make an Overtime request from an LCD keypad, proceed as follows:

1. From the *User Menu*, using key **C** or **D**, scroll the menu for the **Overtime request** option, then press **ENTER**.




2. Press **ENTER** to activate the **Overtime request**. Acceptance of the command will be confirmed by a beep and a short message.




LED Keypads To make an Overtime request from an LED keypad, proceed as follows:

1. Access the *User Menu*.

**Code PIN + ENTER**

The **8** indicator will blink.

2. Press **3** to activate the Overtime Request, or **ESC** to quit and, in both cases, exit the Menu.

***NOTE - If the Auto-Arm option has been disabled (refer to 'Enable/Disable Auto-arm' in this section), the Overtime request will be ignored, however, the LCD keypad will still emit a beep.***

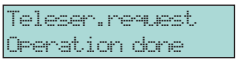
## Teleservice Request

If your installer has set up the 'Teleservice' facility, you will be able to request on-line service (maintenance which does not require parts or manual work). The **Teleservice** option must be enabled (refer to '**Enable/Disable Teleservice**' paragraph in this section), otherwise, the Control panel will be unable to communicate with the Installer's terminal.

LCD Keypads To make a Teleservice Request from an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **Teleservice request** option, then press the **ENTER** key.

2. Press **ENTER** to send the **Teleservice request**. Acceptance of the command will be confirmed by a beep and a short message.




LED Keypads To make an Overtime Request from an LED keypad, proceed as follows:

1. Access the *Main User Menu*.

**Code PIN + ENTER**

The **1** indicator will blink.

2. Press **4** to send the Teleservice Request, or **ESC** to quit and, in both cases, exit the Menu.

The Teleservice call will be sent when you press **ENTER** on LCD keypads, or **4** on LED keypads.

To cancel the Teleservice call — select the '**Clear Call Queue**' option from the *User Menu* (refer to '**Clear Call Queue**' in this section).

***NOTE:*** *The Teleservice telephone number must be programmed by the installer.*

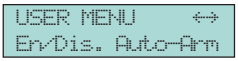
## Turning ON your System Automatically

Your installer may have set up your system to turn ON at a pre-set time. The **En./Dis. Auto-Arm** option will allow you to enable/disable the automatic-arming function.

LCD Keypads

To Enable/Disable Auto-Arm at an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **Auto-Arm En/Dis.** option, then press **ENTER**.




2. Press **ON** to enable or **OFF** to disable the **Auto-Arm** option.

3. Press **ENTER** to confirm and go back to step **1.**

LED Keypads

To enable/disable Auto-Arm function from an LED Keypad, proceed as follows:

1. Access the *Main User Menu*.

**Code PIN + ENTER**

The **1** indicator will blink.

2. Press **1** to toggle the status — Enable ⇨ Disable (refer to Table 11).
3. Press **ENTER** to confirm, or **ESC** to quit and, in both cases, exit the Menu.

**Table 11 - Enable/Disable Auto-Arm**

| LED | Meaning |
|---|---|
| Red<br>▬<br>1 | ***ON*** *- Auto-Arm ENABLED (*)*<br>***OFF*** *- Auto-Arm DISABLED* |

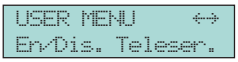
*(*) - The LED will turn ON when you access the Main User Menu.*

## Enable/Disable Teleservice

If this option is OFF the system will not accept incoming Teleservice calls, and on-line Installer intervention will not be possible.

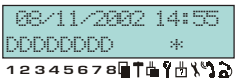
LCD keypads To enable/disable Teleservice from an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **En./Dis. Teleser.** option, then press **ENTER**.




2. Press **ON** to enable or **OFF** to disable **Teleservice**.
3. Press **ENTER** to confirm and go back to step **1.**

When the Teleservice is ON, an asterisk '*' will be shown over the icon , as illustrated in the example (to the right).




LED Keypads To enable/disable Teleservice from an LED keypad, proceed as follows:

1. Access the *Main User Menu*.

**Code PIN + ENTER**

The indicator will blink.

2. Press **2** to toggle the status — Enable ⇨ Disable (refer to Table 12).
3. Press **ENTER** to confirm, or **ESC** to quit and, in both cases, exit the Menu.

The indicator on LED keypads will turn ON to signal "Teleservice enabled".

**Table 12 - Enable/Disable Teleservice**

| LED | Meaning |
|---|---|
| Red<br><br>**2** | ***ON*** *- Teleservice ENABLED (*)*<br>***OFF*** *- Teleservice DISABLED* |
| | ***ON*** *- Teleservice ENABLED (*)*<br>***OFF*** *- Teleservice DISABLED* |
| *(*) - The LED will turn ON when you access the Main User Menu.* | |

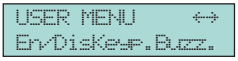
## Enable/Disable Buzzer

This option will allow you to enable the keypad buzzer to signal the following events:

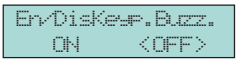
- Entry Time
- Exit time
- Violation of 'Chime' zones

LCD Keypads To enable/disable an LCD keypad buzzer, proceed as follows:

1. From the *User Menu*, using key **C** or **D**, scroll for the '**En./Dis. Keyp. Buzz.** option then press **ENTER**.




2. Press **ON** to enable or **OFF** to disable the **Buzzer**.




3. Press **ENTER** to confirm and go back to step **1.**

LED Keypads To enable/disable an LED keypad buzzer, proceed as follows:

1. Access the *User Menu*.

**Code PIN + ENTER**

The **5** indicator will blink.

2. Press **5** to toggle the status — Enable ⇨ Disable (refer to Table 13).
3. Press **ENTER** to confirm, or **ESC** to quit and, in both cases, exit the Menu.

**Table 13 - Enable/Disable Buzzer**

| LED | Meaning |
|---|---|
| Red<br>▬<br>**5** | ***OFF*** *- Buzzer ENABLED*<br>***ON*** *- Buzzer DISABLED* ***(*)*** |

*(*) - The LED will turn ON when you acess the User Menu.*

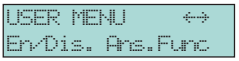
## Enable/Disable Answer Function

(**Not available for KYO16D series**).

LCD Keypad

To enable/disable the Answer function at an LCD keypad, proceed as follows:

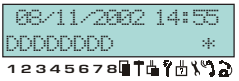
1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **En/Dis. Ans.Func** option, then press **ENTER**.




2. Press **ON** to enable or **OFF** to disable the **Answer Function**.

3. Press **ENTER** to confirm and go back to step **1.**

When the Answer function is ON, an asterisk '*****' will be shown over the icon, as illustrated in the example (to the right).




LED Keypads

To enable/disable Answer Function from an LED keypad, proceed as follows:

1. Access the *Main User Menu*.

**Code PIN + ENTER**

The indicator will blink.

2. Press **9** to toggle the status — Enable ⇨ Disable (refer to Table 14).
3. Press **ENTER** to confirm, or **ESC** to quit and, in both cases, exit the Menu.

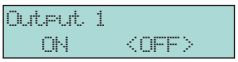
| Table 14 - Enable/Disable Answer Function | |
|---|---|
| **LED** | **Meaning** |
| Green/Red | ***ON*** *- Answer Function ENABLED (*)*<br>***OFF*** *- Answer Function DISABLED* |
| *(*) - The LED will turn ON when you access the Main User Menu.* | |

## Output Control

LCD Keypad To enable/disable the OC Outputs at an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the Output Control option, then press **ENTER**.

2. Using keys **D** through **C**, scroll the OC Output list for the required OC Output, then press **ON** to enable or **OFF** to disable it.




*Activation of the OC Outputs will be immediate.*

3. Press **ESC** to go back to step **1**.

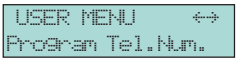
LED Keypad This option is not available on LED keypads.

## Programming Telephone Numbers

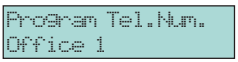
(Not available for KYO16D series). This option will allow you to change/delete the telephone numbers (usually programmed by the installer).

LCD Keypads To change/delete a phone number from an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **Program Tel. Num.** option, then press **ENTER**.

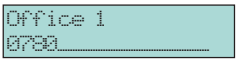



2. Using key **C** or **D**, scroll the 'Phonebook' for the required phone number (only the '*Voice*' related phone numbers assigned to the User code concerned will be shown), then press **ENTER** to change, or **ESC** to delete the selected phone number and step back to the Main User Menu.




Changing Telephone Numbers

3. If you press **ENTER** at step **2.**, the display will show the the selected telephone number field.




To enter a new telephone number, use keys:

**A** ... **B** to move the cursor

**ON** ... **OFF** to enter '**,**' (for 2 second pauses), '*****' or '**#**'.

4. Press **ENTER** to confirm the new telephone number, or the **ESC** key to quit and, in both cases, go back to step **2**.

***NOTE:*** *This option is available only when:*
***a****) The User code, keypad and telephone numbers are assigned to the partition concerned.*
***b****) The telephone numbers have the 'Voice' attribute.*

LED Keypads This option is not available on LED keypads.

## Programming Codes

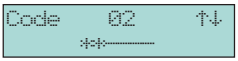
The **Program Codes** option will allow Main Users to program and change the PINs of all the User codes (enabled by the installer in accordance with the installation requirements), except those of other Main Users. For security reasons, DO NOT use the Factory Default Codes (0001 through 0024 at default), or obvious codes, such as **1111** or **1234**.

*Main Users can change their own PINs. However, Main Users cannot change the PINs of other Main Users, and cannot program User code PINs enabled on partitions they are not assigned to.*

LCD Keypads To program codes from an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **Program Codes** option, then press **ENTER**.

2. Enter the PIN (4 to 6 digits). For security reasons, the entered digits will be masked by asterisks (*****).




3. Press **ENTER** to confirm and go to the successive Code.

   Use key **A** or **B**, scroll the Codes (01 ... 24).

4. When all the code PINs have been programmed — press **ESC** to quit and, in both cases, go back to step **1.**

LED Keypads To program code PINs from an LED keypad, proceed as follows:

1 Access the *Main User Menu*.

**Code PIN + ENTER**

The indicator will blink.

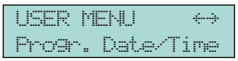
2. Press **ON** to access the code programming phase.
3. Enter the code ID number (1 through 24).
4. Press **ENTER**.
5. Enter the new PIN (4 to 6 digits).
6. Press **ENTER** to confirm the new PIN.
7. Press **ESC** to end the programming session or, if you wish to continue, repeat the procedure from step **3**.

## Programming the Date and Time

The **Date/Time** option will allow you to set the current date and time.

LCD Keypads To program the date and time from an LCD keypad, proceed as follows:

**1**. From the *Main User Menu*, use key **C** or **D**, scroll the menu for the **Progr. Date/Time** option, then press **ENTER**.




**2**. Enter the date and time (*in accordance with the programmed format*).

To enter the date and time, use keys:

**C** ... **D** to **move** the cursor

**A** ... **B** to **insert** the digits

**3**. Press **ENTER** to confirm and go back to step **1**.

LED Keypads This option is not available on LED keypads.

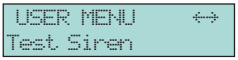
## Test Siren

This option will allow you to test the Siren.

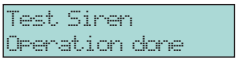
***The Test will activate all the audible/visual signalling devices (connected to the Alarm Outputs) for 2 seconds.***

LCD keypads To test the alarm signalling devices from an LCD keypad, proceed as follows:

**1**. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **Test Siren** option, then press **ENTER**.




**2**. Press **ENTER** to start the Test: acceptance will be confirmed by a beep and a short message.




The menu will go back automatically to step **1.** when the Test ends.

LED Keypads To Test the alarm signalling devices from an LED keypad, proceed as follows:

**1**. Access the *Main User Menu*.

**Code PIN + ENTER**

The indicator will blink.

**2**. Press **7** to activate the Test, or **ESC** to quit and, in both cases, exit the Menu.

***NOTE -*** *Some alarm output devices, such as Telephone Communicators, will be active for more than 2 seconds, therefore, you must stop the Test procedure manually. The Telephone Communicator can be stopped via the 'Clear Call Queue' option (refer to 'Clear Call Queue' in this section).*

## Zones Status

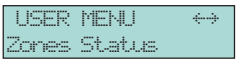
This option will allow you to:

**a**) View the zone ztatus (normal or alarm);
**b**) Bypass/Unbypass zones.

LCD Keypads

To program/view the zones from an LCD keypad, proceed as follows:

**1**. From the *Main User Menu*, using key **C** or **D** scroll the menu for the **Zone Status** option, then press **ENTER**.




**2**. To unbypass/bypass or view the zones, use keys:

**C** or **D** to **Select** the zone.

**ON** to **unbypass** the selected zone

**OFF** to **bypass** the selected zone

**3.** Press **ENTER** to confirm the operation and go back to step **1.**

*If your installer has set up your system to signal zone alarms, the zones will be shown at 2 seconds intervals.*

LED Keypads

To **manage**, **bypass/unbypass** zones from an LED keypad, proceed as follows:

**1**. Enter a *Main User Code* then press the **ESC** key.

**Code PIN + ESC**

After entering the Zone Exclusion Menu and **depending on the number of zones excluded**, one or more of the red indicator lights (numbered **1** to **8**) may be illuminated.

***In LED keypads, the zone status is only displayed for the first 8 zones.***

If the red indicator light is illuminated, this indicates that **the zone has been excluded**..

Unbypassed/ Bypassed Zones

**2**. Enter the number of the zone you wish to exclude/include (the value should always be entered in a 2-digit format, for example 01, 02, 12, etc.), making sure you observe the limits dictated by the control unit used..

**3**. Press **ENTER** to confirm and exit the *Bypass Zones* menu.

Enable/Disable Hide Zone Status

This enabled/disabled status of this option effects ONLY the keypad concerned. If this option is enabled, the status of the zones will not be signalled on the keys **1** ... **8**. To enable/disable this option, proceed as follows.

**1**. Access the Main User Menu:

**Codice PIN + ENTER**

**2**. Press **6** to toggle the status — Enable ⇨ Disable (refer to Table 15).

**3**. Press **ENTER** to confirm, or **ESC** to quit and, in both cases, exit the Menu.

**Table 15 - Enable/Disable 'View Zone Violation'**

| LED | Meaning |
|---|---|
| Red<br><br>▬<br>**6** | ***OFF*** *- Viewing ENABLED*<br>***ON*** *- Viewing DISABLED (*)* |

*(*) - The ▬ key will turn ON when you access the 'Main User Menu'.*

## View Logger

This option will allow you to view all the alarms recorded in the system memory. The Logger is circular and holds 256 events (128 on Kyo4/8/8G Models). Once the Logger is full, the oldest events will be deleted to make space for new events.

The following information will be provided for each event:

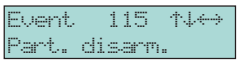
- **Ev.** - Event number
- **Date/Time** - Date and Time of the event
- **Event Type** - Event description
- **Identifier** - Event details

LCD Keypads

To access the Event Logger from an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **View Logger** option, then press **ENTER**.

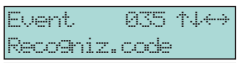
2. The top line of the Logger shows the number of the last event, and the bottom line the event type.

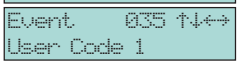


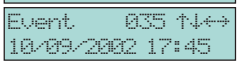

To view the Events list, use keys:

**A** or **B** to scroll the list for the required event;

**C** or **D** to view the date and time, and the event identifier.




3. Press **ESC** to go back to step **1**.

LED Keypads

This option is not available on LED keypads.

## Clear Call Queue

If an alarm occurs,the Control panel will trigger a series of calls to contact Telephone Numbers (programmed by the installer). This option will allow you to interrupt the ongoing call, and clear the call queue in the event of a false alarm.

LCD Keypads To clear the Call Queue from an LCD keypad, proceed as follows:

1. From the *Main User Menu*, using key **C** or **D**, scroll the menu for the **Clear Call Queue** option.

2. Press **ENTER** to stop the calls, and step back. Acceptance of the command will be confirmed by a beep and a short message.

LED Keypads To llear the call queue from an LED keypad, proceed as follows:

1. Access the *Main User Menu*.

**Code PIN + ENTER**

The indicator will blink.

2. Press **ON** to interrupt the outgoing calls.
3. Press **ESC** to quit and exit the menu.

***NOTE:*** *The Control panel will not quit the CLEAR CALL QUEUE phase until you press* **ESC**.

# USING DIGITAL KEYS AND CARDS

## Introduction

The **digital keys/cards** will allow you to perform all the basic operations from enabled **Readers**.

### Readers

Readers have 3 System status LEDs (**Red**, **Green** and **Amber**).

This Control panel manages:

- PROXI-READER Proximity Reader – This Reader detects the presence of SAT Digital Keys or PROXI-CARD and MINI-PROXY Cards. This wall-mounted reader has a sensitive area, in front of which the SAT device or Card should be passed. The sensitive area is identified by a ring, located underneath the lights.

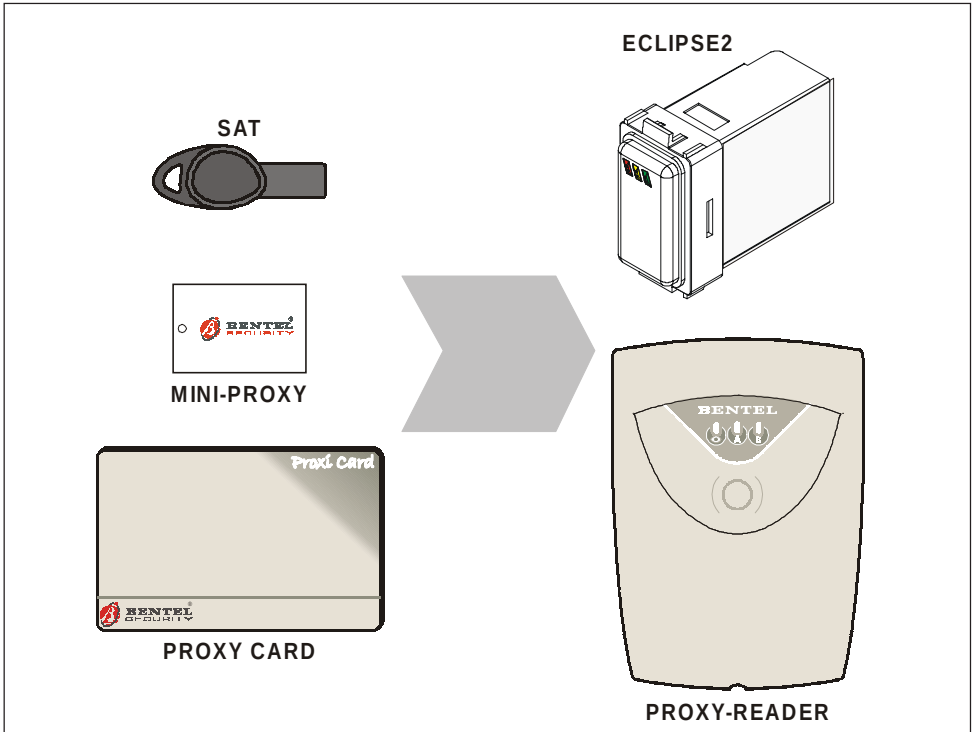



*Figure 7 - Digital Keys, Cards and Readers*

- ECLIPSE2 Reader – Similar to the previous device, but offers recessed installation.

This Control panel supports up to 16 Readers.

The installer will program the following parameters for each Reader:

- The partitions the Reader can control (Reader partitions)
- A Mode Arming (AMBER)
- B Mode Arming (GREEN)

## Digital Keys/Cards

This Main Unit can manage three different types of Digital Keys:

- **SAT Activation Device**
- **PROXI-Card**
- **MINI-PROXY-Card**

When a SAT or Card is passed in front of the sensitive area of a Reader, the procedures described in this section can be carried out.

Each key/card has a random code — selected from over 4 billion combinations.

Your installer will assign an ID Number and label (Description) to the first 16 keys/cards. The number will be recorded in the logger each time the key/card operates on the system.

Each key/card can be programmed to operate on specific partitions.

⚠ *The term "Digital Key" is used throughout this manual, to denote the SAT Activation Device as well as the PROXI Cards, while the term "Reader" is used for the ECLIPSE2 Reader as well as the PROXI-READER Proximity Reader, unless otherwise specified.*

# The Reader LEDs

The ECLIPSE2 and PROXI-READER simplify system control by replacing User PINs with high Security Digital keys or cards. The Readers have 3 LEDs, this section describes how the LEDs work.

## No Key/Card at Reader

When there is no key/card at the Reader, the LEDs will signal as per Table 16.

The partitions which are not controlled by the Reader will not affect the LEDs.

If the configuration of the Armed partitions does not match A or B Mode (for example, when one of the Reader partitions has been Armed at a keypad), neither the Amber nor Green LED will turn ON.

*Your installer can program the Reader LEDs to signal the system status **at all times**, or **alternatively,** only in response to a valid key/card (LEDs OFF when no Key/Card is present).*

## Key/Card at Reader

When a key/card is present at the Reader, the LEDs will signal as follows.

**a) Fast Blinking on 1 LED** - Before arming the partitions, the Control panel will check the status of the unbypassed (ON) and Instant zones. If a zone is 'Violated' (e.g. door or window open), the LED, associated with the selected Arming Mode, will blink quickly. If this occurs, DO NOT ARM the System, as arming will provoke a false alarm.

**NOTE:** *The Control panel takes about 2 seconds to check all the zones.*

*False alarms can be stopped by simply disarming the system (refer to 'Digital Key/Card Readers Operations' in this section). If a false alarm occurs, inform your Central Station and prevent the operator from taking unnecessary action.*

**Table 16 - LED Status with no Key/Card at Reader**

| LED | Status | Meaning |
|---|---|---|
| RED | **ON** | *At least one of the Reader partitions is armed* |
| | **Fast Blinking** | *If the partitions are armed, at least one alarm has been detected on one of the Reader partitions* |
| | **OFF** | *None of the Reader partitions are armed* |
| | **Slow Blinking** | *If the Partitions are disarmed, at least one alarm has been detected on one of the Reader partitions* |
| YELLOW | **ON** | *The Reader partitions are armed in **Type A m**ode* |
| | **OFF** | *The armed/disarmed status of the Reader partitions does not match **Type A** mode* |
| GREEN | **ON** | *The Reader partitions are armed in **Type B** mode* |
| | **OFF** | *The armed/disarmed status of the Reader partitions does not match **Type B m**ode* |

**b)** **Fast Blinking on all 3 LEDs** - This will occur when a false key/card is present at the Reader.

**d)** **Red LED ON** - The system will arm when you remove the key/card from the Reader.

**e)** **Amber LED ON** - The system will arm in A Mode when you remove the key/card from the Reader.

**f)** **Green LED ON** - The system will arm in B Mode when you remove the key/card from the Reader.

***NOTE:*** *Your installer may have disabled the Reader LEDs, therefore, they will not turn ON even when a valid key/card is used.*

## The PROXI Buzzer

The PROXI buzzer (if enabled) will signal:

- The Exit Time (double beep at 2 second intervals);
- The Entry Time (continuous fast beeps)
- Violation of 'Chime' Zones (a few fast beeps)

## Multiple Systems

The digital keys/cards can be programmed (by the installer) to operate on more than one system, and to manage different partitions on each system.

## Digital Key/Card operations

The digital keys/cards can:

- **Arm — Global Mode**
- **Disarm**
- **Arm — A Mode**
- **Arm — B Mode**

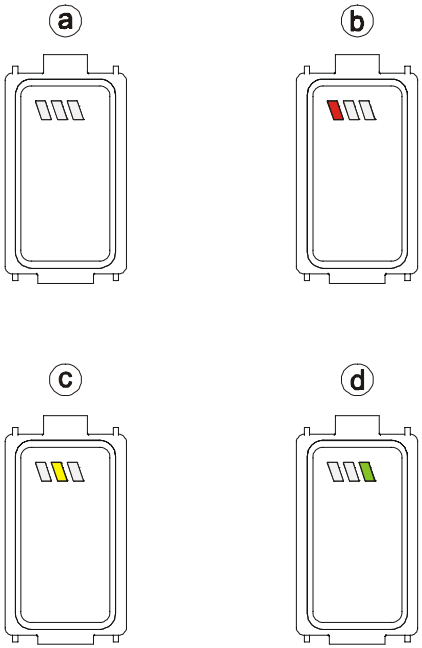



*Fig. 8 - Arm/Disarm operations at an ECLIPSE2 Reader*

## Disarm (Turning OFF your system)

This operation will Disarm all the Partitions controlled by the Digital Key/Card and Reader in use.

To Disarm the System (all LEDs OFF), proceed as follows:

**1**. Hold the proximity Key/Card near the sensitive field of the Reader — until all the LEDs turn OFF (see Figure 8a).

**2**. Remove the Key/Card to Disarm the System.

## Arm — Global Mode (Turning ON your system)

This operation will Arm all the Partitions controlled by the Digital Key/Card and Reader in use.

To Arm the System in **Global Mode** (Red LED ON), proceed as follows:

**1**. Hold the proximity Key/Card near the sensitive field of the Reader — until the Red LED turns ON (see Figure 8b).

**2**. Remove the Key/Card to Arm the System in Global Mode.

## Arm — A Mode

This operation will Arm or Disarm the Partitions in accordance with the A Mode Arming configuration (programmed by the Installer).

To Arm the System in A Mode (Amber LED ON), proceed as follows:

**1.** Hold the Proximity Key/Card near the sensitive field of the Reader. The LEDs will light in turn (at 2 second intervals).

**2.** Remove the Key/Card when the Amber LED turns ON. At this point, the Red LED will also turn ON and the System will Arm in A Mode.

## Arm — B Mode

This operation will Arm or Disarm the Partitions in accordance with the B Mode Arming configuration (programmed by the Installer).

To Arm the System in **B Mode** (Green LED ON), proceed as follows:

**1.** Hold the Proxomity Key/Card near the sensitive field of the Reader. The LEDs will light in turn (at 2 second intervals).

**2.** Remove the Key/Card when the Green LED turns ON. At this point, the Red LED will also turn ON and the System will Arm in B Mode.

## Silencing Alarm Signalling Devices

To silence an Alarm which is sounding, simply disarmer the system.

*WARNING - Silencing an Alarm will not stop any active or queued telephone calls. To stop telephone calls as well, the system needs to be disarmed using a Key (SAT or PROXI-CARD) which has been specifically enabled (by the Installer, during programming) for telephone call queue cancellation.*

On disarming, Key (SAT or PROXI-CARD) will normally be able to reset all Alarms except those resulting from System Tampering (e.g. opening of the Main Unit).

# OPERATING THE SYSTEM FROM A TELEPHONE

***This functions is not management for KYO16D Control Panel.***

If your system is equipped with a **NC2/VOX** Voice board (accessory item), and your Installer has programmed **Telephone Access Codes**, you will be able to control your system via any touch-phone.

NOTE - The KYO16D Control Panel DOES NOT ACCEPT the Voice board.

The **Telephone Access Codes** are not the same as 4-6 digit System Access Codes (Main User Code, User Code, etc.). These codes **control the system via telephone only**. Each **Telephone Access Code** can be programmed to control specific functions and Partitions.

**You can access the system over the phone:**

**a)** after receiving a call from the Control panel;

**b)** after calling the Control panel and activating the Answering function.

## Remote Telephone Access via 'Dialler' mode

If your Installer has set up your system to manage the Dialler facility, your system will be able to call programmed telephone numbers and send voice messages to alert contact persons of Alarm events (this control panel manages up to 8 Telephone Numbers).

If you receive a Dialler call, you will be able to access your system during the call, by entering your Access Code on the telephone pad.

You can enter your **Telephone Access Code** while the message is playing, or during the pauses between message announcements.

The following paragraphs provide step-by-step instructions for each function.

## Remote Telephone Access via 'Answer' mode

The '**Answering function**' can be Enabled by means of a Main User Code (refer to **Enable/Disable Answer Function**).

⚠ *You cannot access your system via remote telephone when the 'Answering function' is Disabled. For security reasons, DO NOT Arm or Disarm your system from a telephone with a redial button.*

If you call your system when the '**Answering function**' is Enabled, two situations are possible:

- Teleservice Enabled
- Teleservice Disabled

### Teleservice Enabled

If the 'Answer' and 'Teleservice' functions are both enabled (refer to 'Enable/ Disable Teleservice' in the 'OPERATING FROM KEYPADS' section) your system will answer your call after the programmed number of rings. **It will emit a high-pitch audible signal (beep), wait 35 seconds, then emit 5 beeps to indicate that it is ready to accept your Telephone Access Code.**

### Teleservice Disabled

If the 'Teleservice' function is disabled, your system will answer your call after the programmed number of rings. **It will emit 5 beeps to indicate that it is ready to accept your Telephone Access Code.**

## Entering Your Telephone Access Code (DTMF)

Via Dialler FunctionMode — If you are accessing your system via **Dialler Function Mode**, you can enter your Telephone Access Code while the Answering message is playing, or during the pauses between message announcements.

Via Answer Function Mode — If you are accessing your **Answer Function Mod**e, you must enter your Telephone Access Code after the 5 beeps.

**In both cases:**

You must press #, after entering your Telephone Access Code.

If your system recognizes your code, it will emit an audible feedback signal (short high-pitched beep), and will accept commands.

If your system **DOES NOT** recognize your code, it will emit an error signal (buzz).

The system will end the call automatically, if no valid code is entered within 30 seconds.

To cancel wrong digits, and restart press #.

# Entering Commands

Once your Telephone Access Code has been recognized, you can enter the Command Codes. If you enter a wrong Command Code the system will emit an audible feedback signal (buzz).

***NOTE - The system will end the call automatically, if no Key is pressed within 1 minute.***

## Cancel Command

- Press [#] to cancel the Command, and step back to the **Enter data** phase.
- Press [#] to cancel entered digits: the system will emit an audible feedback signal (2 beeps) to confirm that the data has been cancelled.

## Stop Alarm / On Hook

- If you are accessing your system via 'Answer' mode, press [*] to end the call.
- If you are accessing your system via 'Dialler' mode (after receiving an Alarm message), press [*] to stop the ongoing Alarm, and Alarm calls.

## Remote Talk / Listen-in

- Press [1] to start the Remote **Listen-in** session. Press [1] again to start the Remote **Talk** session. Press [1] again to switch from **Talk** to **Listen** mode as required. This feature will allow you to listen to what is happening on the protected premises (via the microphone on the NC2VOX board), and talk to whoever is present.

## Remote 2Way Talk / Listen-in

- Press [1] to start the Remote **Listen-in** session, then press [2] to start the Remote **2way Talk / Listen-in** session. This feature will allow you to listen to what is happening on the protected premises (via the microphone on the NC2VOX board), and talk to whoever is present, without switching from **Talk** to **Listen** mode. This feature is useful in Emergency situations, especially where elderly people are concerned, as it can be activated by Panic Pendants.

## Turning Appliances ON/OFF (Reserved Outputs)

If your installer has set up your system to manage electrical appliances, this features will allow you to turn them ON and OFF over the phone.

Press [3] to access **Appliances Management** session.

Use keys [1] through [8] to turn the corresponding Appliance (Output) ON or OFF.

The status will be indicated by a feedback signal:

- **1 beep** ⇨ Output OFF
- **3 beeps** ⇨ Output ON

Press [#] to confirm the selected status and step back.

Press [#] to exit.

## Arm / Disarm

Press [4] to access **Arm/Disarm** management.

This following keys will allow you to Arm / Disarm the system as required.

- [0] ⇨ The system will **Disarm**
- [1] ⇨ The system will **Arm** in Global mode
- [2] ⇨ The system will **Arm A** Mode
- [3] ⇨ The system will **Arm B** Mode

After pressing the required key (as above), the system will wait for you to end the communication.

Press [#] to end the call.

For further information, refer to the next *'**System Status Enquiry**'* paragraph.

## System Status Enquiry

To make a system status enquiry, press key [4] (to access **Arm/Disarm** management) then press [5]: the Control panel will signal the status as follows:

- **1 buzz** ⇨ **Disarmed**
- **1 beep** ⇨ **Armed** in Global Mode
- **2 beeps** ⇨ **Armed** in **A** Mode
- **3 beeps** ⇨ **Armed** in **B** Mode
- **3 buzzes** ⇨ Arming Mode "Not Recognised" — this occurs when the Control panel has been Armed by a User Code with a different configuration to the one making the enquiry.

System status enquiries and response signals DO NOT effect the System status.

## Enable / Disable Telephone Access Code

This command will allow you to Disable the **Telephone Access Code** after using it to access the system.

This is a toggle command, therefore, you can Disable then Re-Enable the **Telephone Access Code** during the same call:

- Press 9 to Disable the **Telephone Access Cod**e, the code will be Disabled when the call ends.
- Press 9 again to Enable the **Telephone Access Code**, the code can still be used for future actions via telephone.

The status will be indicated by a feedback signal:

- **1 beep** ⇨ Access Code Enabled
- **3 beeps** ⇨Access Code Disabled

Press # to confirm the selected status.

⚠ *This security feature will allow you to protect your system against unauthorized access via Telephone. If you disable a Telephone Access Code via telephone, it cannot be used again until you Re-Enable it via the User Menu.*

To Re-Enable a **Telephone Access Code** (Disabled via telephone), use the 'Program Codes' option from the *User Menu* (access allowed to **Main User Codes** only).

# THE WIRELESS KEY

## Introduction

If your system is equipped with a Wireless Receiver, it will be possible to control all the main functions from remote locations by means of Wireless Keys (see Figure 9). Each Wireless Key is assigned to one of two Codes (Code **0023** or **0024**), and will be able to operate the system in accordance with the attributes and access level of the selected Code.

This section describes the functions that can be controlled by Wireless Keys.

## Using the Wireless key

### Global Mode

Press the button for approximately two seconds, to **Arm all the Partitions** of the Code (**0023** or **0024**) of Wireless Key in use.

This operation will have the same effect as entering <*Code*> + **ON** at a Keypad.

### Disarm Global

Press the button for approximately two seconds, to **Disarm all the Partitions** of the Code (**0023** or **0024**) of Wireless Key in use.

This operation will have the same effect as entering <*Code*> + **OFF** at a Keypad.

*Fig. 9 - The ARC20 Wireless Key*

## A Mode Arming

This operation will Arm or Disarm the Partitions in accordance with the **A Mode** Arming configuration (programmed by your Installer).

Press the button for approximately 2 seconds, to Arm the system in **A Mode**

— in accordance with the Code (**0023** or **0024**) of the Wireless Key in use.

This operation will have the same effect as entering <*Code*> + **A** at a Keypad.

## B Mode Arming or Superkey 2

This operation will Arm or Disarm the Partitions in accordance with the **B Mode** Arming configuration (programmed by your Installer).

Press the button for approximately 2 seconds, to Arm the system in **B Mode**

— in accordance with the Code (**0023** or **0024)** of the Wireless Key in use.

This operation will have the same effect as entering <*Code*> + **B** at a Keypad.

If your Installer has set up number key 2 as a **Superkey 2** (refer to the 'Superkeys' in the 'Operating from a Keypad' section), you will not be able to Arm your system in B Mode by means of Wireless Keys.

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⚠ ***The operations performed by Wireless Key will not be confirmed by any type of feed back signal (audible or visual), unless done in the vicinity of a Reader, Keypad or feed back signal device set up by the installer.***

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**Recycling information**

BENTEL SECURITY recommends that customers dispose of their used equipments (panels, detectors, sirens, and other devices) in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components, and/or materials.
For specific information see: http://www.bentelsecurity.com/index.php?o=environmental

**Waste Electrical and Electronic Equipment (WEEE) Directive**

In the European Union, this label indicates that this product should NOT be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

For specific information see: http://www.bentelsecurity.com/index.php?o=environmental